

105

PE3C2505

Configuration

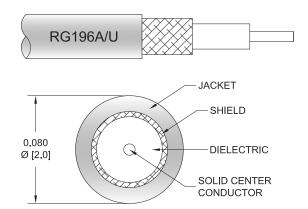
Connector 1: SMP Female Right AngleConnector 2: MMCX Plug Right Angle

Cable Type: RG196Coax Flex Type: Flexible

Features

Max Frequency 1 GHz

· PTFE Jacket



Applications

· General Purpose

· Laboratory Use

Description

Pasternack's PE3C2505 SMP female right angle to MMCX plug right angle cable using RG196 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack SMP to MMCX cable assembly has a female to plug gender configuration with 50 ohm flexible RG196 coax. The PE3C2505 SMP female to MMCX plug cable assembly operates to 1 GHz. The right angle SMP and right angle MMCX interfaces on the RG196 cable allow for easier connections in tight spaces.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1	GHz
VSWR			1.4:1	
Capacitance		32 [104.99]		pF/ft [pF/m]

Specifications by Frequency





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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
Fait Nullibel	Length	Frequency	50	100	250	500	1000	MHz	
PE3C2505	Custom Lengths	Insertion Loss (Typ.)	Insertion Loss (Typ.) 0.04 0.08 0.21 0.41 0.825 dB/ft						
1 2322303	Available	1113C1 t1011 L033 (1 yp.)	0.14	0.27	0.68	1.36	2.71	dB/m	
PE3C2505-12	12 inch	Insertion Loss (Typ.)	0.45	0.49	0.61	0.82	1.23	dB	0.018
PE3C2505-24	24 inch	Insertion Loss (Typ.)	0.49	0.57	0.82	1.23	2.05	dB	0.024
PE3C2505-36	36 inch	Insertion Loss (Typ.)	0.53	0.65	1.02	1.64	2.88	dB	0.029
PE3C2505-48	48 inch	Insertion Loss (Typ.)	0.57	0.73	1.23	2.05	3.7	dB	0.034
PE3C2505-72	72 inch	Insertion Loss (Typ.)	0.65	0.9	1.64	2.88	5.35	dB	0.044

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1:0.2 dBLoss due to Connector 2:0.2 dBBase Weight:0.018 poundsAdditional Weight per Inch:0.00042 pounds

Mechanical Specifications

Cable Assembly

 Width/Diameter
 0.5 in [12.7 mm]

 Weight
 0.018 lbs [8.16 g]

Cable

Cable TypeRG196Impedance50 OhmsInner Conductor TypeStranded

Inner Conductor Material and Plating Copper Clad Steel, Silver

Dielectric Type PTFE Number of Shields 1

Shield Layer 1 Silver Plated Copper Jacket Material PTFE, White Jacket Diameter 0.08 in [2.03 mm]





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Connectors

Description	Connector 1	Connector 2
Туре	SMP Female Right Angle	MMCX Plug Right Angle
Specification	MIL-STD-348A	BS EN 122340
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Right Angle
Contact Material and Plating	Beryllium Copper, Gold	Brass, Gold
Contact Plating Specification	MIL-DTL-45204	30μ in. minimum
Dielectric Type	PTFE	Teflon
Outer Conductor Material and Plating	Beryllium Copper, Gold	
Body Material and Plating	Brass, Gold	Brass, Gold
Body Plating Specification	MIL-DTL-45204	3μ in. minimum

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

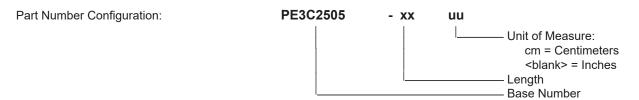




PE3C2505

Typical Performance Data

How to Order



Example: PE3C2505-12 = 12 inches long cable

PE3C2505-100cm = 100 cm long cable

SMP Female Right Angle to MMCX Plug Right Angle Cable Using RG196 Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMP Female Right Angle to MMCX Plug Right Angle Cable Using RG196 Coax PE3C2505

URL: https://www.pasternack.com/smp-female-right-angle-to-mmcx-plug-cable-using-rg196-pe3c2505-p.aspx

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to impliment improvements. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

